19981115.qrp v01_n277.qrs.981115

Date: Sun, 15 Nov 1998 19:03:38 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1277

QRP-L Digest 1277

Topics covered in this issue include:


  1) [25094] Small transmitting loop results (long)
     by mikemo@ibm.net
  2) [25095] addendum for Wed. N/T+ fox
     by "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
  3) [25096] Chuck's OHR500 review and luncheon with the AZ ScQRPions
     by gsurrency@juno.com (Gary L Surrency)
  4) [25097] Re: Small loop results
     by Pete Burbank <plburbank@kih.net>
  5) [25098] Re: Small transmitting loop results (long)
     by we6w@juno.com (Ed Loranger)
  6) [25099] ANTENNA TAPE from doll house craft store.
     by Ben Pooley <bpooley@bar.auracom.com>
  7) [25100] Re: Chuck's OHR500 review and luncheon with the AZ ScQRPions
     by "George T. Baker" <w5yr@swbell.net>
  8) [25101] Rig case idea
     by "Beaks" <beaks@westco.net>
  9) [25102] HELP.. need mosfet
     by Baranger1@aol.com
 10) [25103] Re: Small transmitting loop results (long)
     by "Steve Yates, AA5TB" <aa5tb@swbell.net>
 11) [25104] FREE "RAINBOW TUNER" - Copy our Beacon Sunday, 11/15
     by DLShips@aol.com
 12) [25105] TECH+ BACK UP AND RUNNING
     by Zenith9zn@aol.com
 13) [25106] Re: Small transmitting loop results (long)
     by Vic Rosenthal <rakefet@rakefet.com>
 14) [25107] Loops
     by tom whalen <whalen@swcp.com>
 15) [25108] N/T+ FOX, New fox KC0AYG
     by MKBalvanz@aol.com
 16) [25109] SG-2020 Again bashed by non-owners!
     by mpupeza@csolve.net (Michael Pupeza)
 17) [25110] CT Contest Program
     by Wayne Alexander <walexan@ipa.net>
 18) [25111] Re: CT Contest Program
     by Hank Kohl K8DD <k8dd@contesting.com>
 19) [25112] Re: SG-2020 Again bashed by non-owners!

by Ed Tanton <n4xy@att.net>
20) [25113] Re: Elmer200 Crystal Checker
by "Radman" <radman@best.com>
21) [25114] Alaska Propagation Woes, Rainbow and ICQ de AL7FS
by Jim Larsen AL7FS <larsennc@alaska.net>
22) [25115] FS/SWAP
by "Francis Callahan" <colcal@srv.net>
23) [25116] Sputnik 41 Keps
by "Bernard Gaffney, Jr." <bgaffney47@email.msn.com>
24) [25117] Re: Alaska Propagation Woes, Rainbow and ICQ de AL7FS
by "John J. McDonough" <jjmcd@tm.net>
25) [25118] CT Interface
by Jeff Grudin <grudin@pacific.vdbs.com>
26) [25119] Re: Sputnik 41 Keps
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
27) [25120] Re: Sputnik 41 Keps
by "Ron Smith" <resmith666@uswest.net>
28) [25121] Re: Sputnik 41 Keps
by "Peter Hardie" <hardie@shaw.wave.ca>
29) [25122] Re: Sputnik 41 Keps
by "Peter Hardie" <hardie@shaw.wave.ca>
30) [25123] Re: Sputnik 41 Keps
by "John J. McDonough" <jjmcd@tm.net>
31) [25124] Re: SG-2020 Again bashed by non-owners!
by Rita Phillips <bahr521@earthlink.net>
32) [25125] Sierra Question
by Richard <kt4or@qsl.net>
33) [25126] HD crash..Need "Works" help
by Jay & Jackie <jayboy@psnw.com>
34) [25127] Re: Next NW QRP Meeting - Directions
by Ab7wy@aol.com
35) [25128] FS: LDG QRP Tuner & accouterments
by nilsbull@juno.com (Nils R Young)
36) [25129] MFJ259B
by Bigbob97@aol.com
37) [25130] Re: Next NW QRP Meeting - Directions
by "Bill Todd" <bill@willapabay.org>
38) [25131] N/T+ Email address change
by Zenith9zn@aol.com
39) [25132] Sierra 80M mod
by talljazz@teleport.com (Dan Presley)
40) [25133] Unsubscribe instructions
by "J Joens" <jjoens@netins.net>
41) [25134] FS: QRP, 2m, tuners, more - a week before it's all packed up
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
42) [25135] HW-9 Value
by Bill Robbins <billrobb@net-link.net>
43) [25136] QRP on 160M. Is-it crazy?

by jiboulj <jiboulj@globetrotter.net>
44) [25137] Re: HW-9 Value
by James Skalski <jskalski@buffnet.net>
45) [25138] trade 49-er for surplus cap
by James Skalski <jskalski@buffnet.net>
46) [25139] Re: Loops
by dfirlik@juno.com
47) [25140] Re: QRP on 160M. Is-it crazy?
by "Ivan Dubinsky" <ivand@mountain-inter.net>
48) [25141] Carolina QRP Fest Beacon Heard in Alaska
by Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>
49) [25142] Re: SG-2020 Again bashed by non-owners!
by n2tpa@juno.com (Bill d Lazure)
50) [25143] Re: FREE "RAINBOW TUNER" - Copy our Beacon Sunday, 11/15
by we6w@juno.com (Ed Loranger)
51) [25144] Wire / Rope  sstv qrp++
by hamjoel@juno.com
52) [25145] low power beacon
by Bruce Rattray <rattray@gpfn.sk.ca>
53) [25146] Electronic Log Filings at the ARRL
by wb2vuo@juno.com (W. K. Hibbert)
54) [25147] Re: SG-2020.
by we6w@juno.com (Ed Loranger)
55) [25148] AC voltmeters, RMS and "true RMS"
by mike czuhajewski <wa8mcq@erols.com>
56) [25149] Re: SG-2020 HF Transceiver
by mwattcpa@earthlink.net (Marty Watt)
57) [25150] SCG2020
by tom whalen <whalen@swcp.com>
58) [25151] The AMBROSIA/Viagra RIG:  "THE Elecraft K2"
by Lee Bahr <bahr521@earthlink.net>
59) [25152] 28.060
by tom whalen <whalen@swcp.com>
60) [25153] Coil winding help
by "Grindrod, Ross [Pulp & Paper]" <GRINDRR@chh.co.nz>
61) [25154] Re: Antenna Idea
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
62) [25155] Unsubscribe
by "dave mantor" <nah5nni@hotmail.com>
63) [25156] HR-2600 QRO to QRP?
by tom whalen <whalen@swcp.com>
64) [25157] Test Instruments
by Brad Mugleston <bmug@gwl.com>
65) [25158] WA1SCH, W8SFF
by tom whalen <whalen@swcp.com>
66) [25159] FS items have been spoken for: Argosy & LDG tuner are sold
by nilsbull@juno.com (Nils R Young)

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Date: Sat, 14 Nov 1998 19:11:44 -0500
From: mikemo@ibm.net
To: qrp <qrp-l@Lehigh.EDU>
Subject: [25094] Small transmitting loop results (long)
Message-ID: <364E1C40.2AE1@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just wanted to post a note regarding some building I did today. I was interested by some recent emails regarding small transmitting loops. Steve, AA5TB posted some software for calculating loop parameters.

I built a loop today. The main section is made out of 3/4 inch copper tubing. The loop is 2.6 feet across (that's all I had in the garage). It is mounted on a 2x4 with tie wraps. The driven loop is made of #14 enameled wire, 6 inches across. The tuning cap is a 100 pf air variable with a .075 plate spacing. It took a few hours to build.

To test, I stuck the bottom of the 2x4 in the dirt in my back yard. The loop was less than 1' off the ground. Tuned to 20 meters, the swr was under 1.5, but the tuning was SHARP. Cap ended up being set at about 60pF, as predicted by the software. Signal reports were very good for such a small antenna on the ground.

I could not get the swr under 4:1 on 15 meters. Is this because the circumference is greater than 1/10 wavelength???

I could not tune on 40 meters due to the small tuning cap, only 100pf. The program says the cap would have to be 250pf to tune on 40 meters.

All in all, the program was very accurate and predicted what would happen with the antenna. Performance with such a small antenna was nothing short of amazing on 20 meters. My neighbor asked if I was trying to contact my "people" to come back to earth and get me ;-)

I'm going to try a bigger cap (if I can find one) and try on 40 meters. A word of warning, BE CAREFUL! The voltages on the cap and loop at 5 watts on 20 meters are close to 1000V. I had a 6" piece of wood stuck to the shaft of the tuning cap to avoid a Zap!

A remote tuner for the cap is a must. I had to have my son key the transmitter while I adjusted the loop and looked at the swr meter (which was outside too).

Thanks for listening,
72 de ku4qo, Mike Maiorana, Palm Harbor, FL

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Date: Sat, 14 Nov 1998 19:45:02 -0500
From: "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
To: <qrp-l@lehigh.edu>
Subject: [25095] addendum for Wed. N/T+ fox
Message-ID: <199811150039.TAA01663@smtp3.erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I should have included in the info: I am located in northern Virginia. I'll start out around 7.122MHz and shift frequency as QRM necessitates. (Floyd, thanks for reminding me to include this.)

Jeff, KF4JSV

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Date: Sat, 14 Nov 1998 17:46:46 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-l@lehigh.edu
Subject: [25096] Chuck's OHR500 review and luncheon with the AZ ScQRPions
Message-ID: <19981114.174646.12110.0.gsurrency@juno.com>

Gang,

Chuck asked me to correct a portion of his OHR500 review, in which he stated there are 9 toroids to wind in the kit:

>This kit, as the other OHR kits over the years has step by step check
'em
>off as you go instructions.  For the inexperienced builder there is a
>pictorial on winding toroids (there are 9 in this kit) in the additional
10
>pages and there are two pages of 'parts pictorials' showing drawings of
each

Later in this paragrah, he correctly states that there are 33 toriods to wind:

>part.  This is like the old Heathkit manuals and in fact Dick W. uses an
>illustrator that used to do the Heath manuals if I remember correctly.
I

>found that for an hour or so after winding a number of toroids that the
>thumb and first finger on the left hand are sore.  There are about 33
>toroids for this kit, so be prepared.

Since Chuck will be off the list until next Wednesday, he asked if I
would clarify this small error for him, in case anyone noticed.

We had a nice chat with Chuck about noon today at Luby's cafeteria across
from HRO, the usual meeting place for the AZ ScQRPions on the first
Saturday of each month. About 14 ScQRPion members attended, including
Brian Kassel W5VBO, Bob and Bertie Hightower KI7MN & N7XJW, Roger
Hightower N7KT, Dan Tayloe N7VE, Floyd Smithberg NQ7X and his wife, Mike
Conner NQ7K, Mike Bolini KA1SLT, and several others I can't remember,
please forgive me.

I had one of the NC20 prototypes with me, and everyone had a look at it
and we also discussed Dan's upcoming design that uses the Tayloe mixer. A
good time was had by all, and our thanks to Chuck and his wife, and to
everyone who attended the get-together.

Let's all give Chuck and his wife a warm welcome while they are in AZ,
and try to keep the flame wars down on the QRP-L while he's away from the
list. ;-)

Tnx and 72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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Date: Sat, 14 Nov 1998 20:02:48 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [25097] Re: Small loop results
Message-ID: <3.0.32.19981114200243.006c6574@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Mike-KU4QO,
I don't think your loop is too large for 15 meters. Ted Hart
defines a STL as circumference less than 1/3 wavelength. I made
one slightly larger than yours that loaded well with a gamma
match on 15. Recently I completed a 6 1/2 foot dia. copper

loop that loads well on 20, 30, 40, and most of 80. It also
uses a gamma match. The "sweet spot" to connect the matching
conducter worked out to be about 1/8 of the total loop length
away from the coax braid connection. (180 degrees from the tuning
capacitor).
I have never tried the small coupling loop type feed but I
remember one builder reporting that the feed loop worked
better when "squished" into a more oval shape. Yes, they are
amazing close to the ground (that's where foxes hide anyway).
GL es 73
Pete W4VCT

---

Date: Sat, 14 Nov 1998 20:17:31 EST
From: we6w@juno.com (Ed Loranger)
To: mikemo@ibm.net
Cc: qrp-l@Lehigh.EDU
Subject: [25098] Re: Small transmitting loop results (long)
Message-ID: <19981114.171428.4775.4.we6w@juno.com>

Excellent Job on everything Mike.  And you made the capacitor
too.

I don't know why you had a problem with SWR on 15 Meters, maybe
the loop needs to be a few feet up.  I have one also and it
works best about 6 feet up.  But I worked Alan/KB7MBI's indoor
antenna contest this year with it inside the garage only
3 feet off the concrete floor!  I get a 1.4:1 SWR  from
20 to 10 meters.

All in all, excellent report and performance from a quickly
homebrewed antenna.

These short TX loops are amazing.

-ED
72, Ed WE6W QRP-Z#106  http://www.qsl.net/we6w
Enjoying Ham Radio every day!  Santa Rosa, CA.

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or call Juno at (800) 654-JUNO [654-5866]

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Date: Sat, 14 Nov 1998 21:28:14

From: Ben Pooley <bpooley@bar.auracom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25099] ANTENNA TAPE from doll house craft store.
Message-ID: <3.0.6.16.19981114212814.292f67fe@bar.auracom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

 KB2QQM wrote:
<.........
< I also saw some stick on wire-tape, just like they sell in the
<radio publications for like $6.  It was made of copper, with an adhesive
<backing.  It was about a quarter inch wide and about 20 feet long......
<"72"  Greg  kb2qqm

Stores dealing in stained glass supplies keep the adhesive-backed
copper tape in a variety of widths.

Ben  VE1AHX

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Date: Sat, 14 Nov 1998 19:45:20 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: gsurrency@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25100] Re: Chuck's OHR500 review and luncheon with the AZ ScQRPions
Message-ID: <364E3230.26B635AB@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Actually, Chuck's original statement was correct though worded in an
"unusual manner."  ;^)

The "there are 9 in this kit" threw me at first when I later read the
"33 toroids." Then I re-read the first sentence and could see that he
was trying to say that there were 9 *pictoricals*, not toroids, in the
"additional 10 pages and there are two pages of 'parts pictorials . . ."

72/73, George
Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas)  Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE #522 ARS 10-X  33.2 N 96.6 W EM13RE

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Date: Sat, 14 Nov 1998 20:51:00 -0500
From: "Beaks" <beaks@westco.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [25101] Rig case idea
Message-ID: <001d01be103a$6641f9e0$b94ff5cd@beaks>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My little monobanders are always getting the paint scuffed up on the cases from being used outdoors and such. I used some glossy contact paper to cover the cases instead of repainting all the time and it worked great, no more scratches and nicks. The self-adhesive paper is the glossy kind used to cover counter tops and I got a big roll for 5 bucks at Wal Mart. Comes in all sorts of colors and patterns so you can use your imagination. It will easily cover small imperfections in the case that would show through a coat of paint.
It helps to wipe the area to be covered with alcohol to insure a good clean surface for the paper to stick to. I start in the center of case and smooth out toward each side to force the little air bubbles out ahead of where the paper is sticking. Trim up the edges with an X-acto knife or such.
This will also dress up an older rig, power supply, tuner or what ever. You could color coordinate your whole station :)
Just something to think about.....
Arch NQ8RP

---

Date: Sat, 14 Nov 1998 21:22:43 EST
From: Baranger1@aol.com
To: qrp-l@Lehigh.EDU
Subject: [25102] HELP.. need mosfet
Message-ID: <f4e2366c.364e3af3@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi everybody, does anybody know a source where I can find a MTP3055E?
I burnt one up and I can not find one here in Chicago. Many part suppliers want a high minimum order.
Thanks for any help.

Bill WB9BQG

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Date: Sat, 14 Nov 1998 20:50:49 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: mikemo@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25103] Re: Small transmitting loop results (long)
Message-ID: <364E4189.76A5F1E7@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike,

I don't think your loop is too large at 15 mtrs. It will actually work better when you make it larger in terms of wavelength but it may become large enough that there is appreciable phase change along its circumference to alter its classical small loop radiation pattern. For example, a "small" loop has maximum radiation in line with the plane of the loop while a larger loop such as a quad has its maximum radiation perpendicular to the plane of the loop.

You may want to vary the coupling between the two loops. If you make the small coupling loop slightly larger than required, you can find the optimum coupling by rotating the small loop within the plane of the larger loop. You should be able to find a spot where you can find a good match at all of the frequencies for which the antenna will tune to resonance. Once this is found you shouldn't have to change it.

Pete W4VCT mentioned that he uses a gamma match. I've used this method before and it works well also. It is especially suited for "plumber's delight" construction. I find though that it sometimes isn't as easy to vary the coupling with this method.

I enjoyed your report. Keep us informed of your results.

73,
Steve Yates
AA5TB
aa5tb@swbell.net
http://home.swbell.net/aa5tb/
Fort Worth, Texas

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Date: Sat, 14 Nov 1998 22:11:25 EST
From: DLShips@aol.com
To: qrp-l@lehigh.EDU, klqrp@waterw.com
Cc: ab4lg@pscinternet.net, aa4xx@amsat.org, designserv@ipass.net, dhlauten@juno.com, matlas@ibm.net, loutrub@epix.net, DLShips@aol.com
Subject: [25104] FREE "RAINBOW TUNER" - Copy our Beacon Sunday, 11/15
Message-ID: <a12a267b.364e465d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

You can win a Rainbow Tuner, thanks to Bob Patton, N4BP who donated it to the Carolina's QRP-Fest.

This tuner will be given to the most distant station to copy the Carolina's QRP-Fest 10 meter beacon. We hope to send this prize to India, Japan, South Africa or Down Under, but we'll still smile if we mail it to a European or West Coaster...

The beacon will be dangling from a tall pine and will be operating on 28.017 Khz +/-(open your filters cuz it might drift a khz or two)... The power will range between 500 and 900 mW (depending upon battery condx) and will be operating between 1300 and 2100 UTC. QSL instructions are in the message. Good Luck !

Hope you win BIG TIME..

FLASH !!!..... The beacon ran as promised but no reported sightings. Therefore, we will run it again on Sunday, November 15 at the same time on the same frequency but from a different location (North Myrtle Beach, SC) and using a different antenna.

Saturday it was about 1/2 Khz low and had a slight chirp. Hopefully it will be spotted on Sunday..

GOOD LUCK !

Gentlemen, Start your engines !!!

72s DE W3RDF and the group... (continuing the fun from the Carolina's QRP-Fest)

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Date: Sat, 14 Nov 1998 23:05:20 EST

From: Zenith9zn@aol.com
To: qrp-l@Lehigh.EDU
Subject: [25105] TECH+ BACK UP AND RUNNING
Message-ID: <eb362003.364e5300@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

With the help of John, KJ7YN, I am now have my attic dipole tame and under contol!  With the use of a antenna tuner, I am now able to operate much more efficently and this is making it much more FUN now.  Am able to get 4.5 watts out of my Ten Tec 1340 and SWR is now 1.1 (was 3.0+).  Please stay tuned for up coming N/T+ fox announcement in the near future. 73's to all who helped and especially to KJ7YN.   73's   John   KB4UTV  Gilbert, Az.

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Date: Sat, 14 Nov 1998 20:29:45 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: mikemo@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25106] Re: Small transmitting loop results (long)
Message-ID: <364E58B9.18C8B156@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

mikemo@ibm.net wrote:
>

> I could not get the swr under 4:1 on 15 meters. Is this because the
> circumference is greater than 1/10 wavelength???

No, this should work fine.  The AEA Isoloop works great on 15 and is about 3' in diameter.  To get the SWR down, play with the size and position of the driven loop.  For what it's worth, the AEA loop uses a faraday shielded driven loop made of small coax with a gap in the shield.

Vic, K2VCO
Fresno CA

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Date: Sat, 14 Nov 1998 21:47:36 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [25107] Loops
Message-ID: <364E5CE8.1C63@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPer's!

Im really enjoying the discussion on the transmitting loop antenna's. I have been working on one myself, that is 1/4 wave in circumference on the highest freq. of intented use. From what I have read, I should be able to tune it from 28.0 to about 14.0. May build another loop designed for 20m and it will tune thru the 40m band.
The only bad thing with my plan is the motor that I will use to drive the var. cap....It's an AC 120v reversable motor...so have to watch where I put my pinkie's!!

Will see how it works tomorrow....Maybe I can hear that 10m beacon up in the pine tree and win that tuner that is being offered to the furthest station that hears it!

Going to put it together tomorrow, so will post my results.

72, Tom WB5QYT

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Date: Sat, 14 Nov 1998 23:57:47 EST
From: MKBalvanz@aol.com
To: qrp-l@lehigh.edu
Subject: [25108] N/T+ FOX, New fox KC0AYG
Message-ID: <9f44dc5e.364e5f4b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi everyone!

After a few months of constructing an HF station I've decided to give it a real shake down.  I have yet to make any contacts on CW so I'll be moving along rather slow, probably around 5 WPM.  I tend to understand farnsworth style code better then long dits and dahs because that's what I learned first. The station consists of an Icom 730 cranked down to somewhere between 4 and 5 watts, I'll be adjusting that a day or two before with a dummy load my, voltmeter, cap and diode wattmeter :-)  Into a 40 meter End-fed Zepp antenna

abt. 20 ft. in the air (recently reinstalled thanks to the wind storm last week!)
Frequency will probably be around 7.105 MHz +/-
Times:
11-17-98  1200-1400 UTC (11-17-98, 6am to 8am CST)
11-19-98  0400-0600 UTC (11-18-98, 10pm to midnight CST)
These are odd times compared to most hunts but, I'm trying to work around school, work, etc.

CQ will be as follows:
CQ FOX CQ FOX DE KC0AYG KC0AYG K

I'll send your info like this:
URCALL RST ### ### IA MATT NR 1581 URCALL DE KC0AYG KN

And if you could respond in a format like this, it would be greatly appreciated:
R R RST ### ### ST ST  NAME NAME NR # NR # DE URCALL

I'll ask for fills and then end the QSO with this:
TNX QRZ FOX de KC0AYG K

Try and take it easy on me as I haven't used code much yet, I'll probably have to ask for alot of fills in the beginning, try and bear with me.

I hope to hear some of you on the bands!
Matthew Balvanz, KC0AYG Ames, IA

---

Date: Sun, 15 Nov 1998 00:22:14 -0500 (EST)
From: mpupeza@csolve.net (Michael Pupeza)
To: qrp-l@lehigh.edu
Subject: [25109] SG-2020 Again bashed by non-owners!
Message-ID: <v01510100b273c3cd4c12@[207.61.168.157]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi;

Recently, Kathi K0FKA wrote a comment about 'loving' her SG-2020, as do I, after having owned it for 6 months, as have I, and I have used mine for SSB ARRL Field Day 1998!

Along comes someone - OJ - or K1OJ, with a TOTALLY Negative report, about this (paraphrasing) 'piece of junk'!

Excuse me, but what was the serial number of your radio?

Why didn't you get it fixed under warranty if it has ALL of these flaws that you attribute to it?

My unit - serial number 7965 4174 doesn't seem to exhibit many, if any, of these complaints!

$30 radio in a $600 case! Which $600 radio are you actually telling me to buy, that has all of these features?

My radio can travel compact, use SSB - my main interest, all-band RX, light (but not super-light) on batteries, and is DURABLY built! (OJ - you got that right!)

I'm sure that we all get tired of 'armchair quarterbacks', who sit around and squack! I know that I do.

I have previously given my candid reports on the 2020, and I stand by them! This is NOT an Icom 781, nor is it a HW-9 Heathkit! It is a serious, but low cost radio, capable of what they said it would do.

What did persons expect for $600 or so? Get serious!

I'm going to go one step further to contradict K1OJ in Texas. I'm surprised that this was the worst rig that he has ever used! I have been licenced sinced 1960, 38+ years, have used MANY, MANY rigs that were lousier than this one - and have run this one up on my old Singer-Gertch FM-10C Frequency Meter/Signal Generator to check Sensitivity, Frequency Response of the filtering, and accuracy of the S-meter! It is good!

I have it on my bench, and regularly compare it to 3 other rigs. A Yaesu FT-301, and Icom 701, a Norcal Cascade, and the 2020! In general, I notice almost no difference, under normal conditions, between the units - other than the characteristic speaker sounds inherent in their own cases! Under various busy conditions, each of my rigs tend to experience their own characteristic sounds, but the 2020 is very good!

I'm tired, and I don't have to even respond, never mind defend SGC. I got a DEAL, and I am pleased with it! Remember - I got it for $595 with the Mike, and I use it for SSB - it is great!

Buy your own K2 - 2X the size and more $$, and in kit form, or the S1(Oops - sorry - not being developed anymore) or the closest equivalent, in size and $$, and then come back to the reflector and tell us all about it!

72 - - - - Mike.....>

Michael Pupeza  VE3EQP
283 Peek-a-Boo Trail RR# 2

Penetanguishene, Ont.
Canada   L9M 1R2

mpupeza@csolve.net
(705) 549-3220

---

Date: Sat, 14 Nov 1998 05:50:26 -0600
From: Wayne Alexander <walexan@ipa.net>
To: qrp-l@lehigh.edu
Subject: [25110] CT Contest Program
Message-ID: <199811150550.XAA28249@ns3.ipa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I was wondering how to hook my computer up to my FT1000MP using CT
Contesting Program. Want to use it in the CW contest. Could some one tell
how it is done or where to get a diagram to make it work. I know this list
will be able to help.
73,
KB0PTE
Wayne
FISTS # 4907
QRP-L # 1058

---

Date: Sun, 15 Nov 1998 06:17:58 +0000
From: Hank Kohl K8DD <k8dd@contesting.com>
To: walexan@ipa.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25111] Re: CT Contest Program
Message-ID: <3.0.5.32.19981115061758.00b28c40@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Take a look at http://www.ccc.nottingham.ac.uk/~mzyd108/interfaces.html
circuits for Icom Kenwood and Yaesu.  I'm sure there are others, but
this one is the one that I could find quickly!

73    Hank    K8DD

At 05:50 AM 11/14/98 -0600, Wayne Alexander wrote:
>I was wondering how to hook my computer up to my FT1000MP using CT
>Contesting Program. Want to use it in the CW contest. Could some one

tell
>how it is done or where to get a diagram to make it work. I know this
list
>will be able to help.
>73,
>KB0PTE
>Wayne
>FISTS # 4907
>QRP-L # 1058
>
>

*/     Hank Kohl  K8DD      k8dd@contesting.com
*/     ARRL TS              http://www.tir.com/~k8dd
*/     MI-QRP - Vice Pres.  QRP-ARCI - Director
*/     G-QRP    ARRL/LM     QCWA/LM    QCAO/LM

---

Date: Sun, 15 Nov 1998 01:49:31 -0500
From: Ed Tanton <n4xy@att.net>
To: mpupeza@csolve.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25112] Re: SG-2020 Again bashed by non-owners!
Message-ID: <3.0.5.32.19981115014931.00c29680@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

There is NO defending SGC Michael. The rig itself is pretty good for
$600... but SGC has done the worst customer relations job I have ever seen
in my 37 1/2 years as a ham.

And yes I am an EX-owner. I sold my '2020, not because of ANYTHING to do
specifically with the rig-except perhaps that its extremely slight chirp
influenced my decision. Personally, I liked it a lot. I had decided to try
and get SGCs software upgrade, but was treated so stupidly by SGC (IF I
bought the extended warranty, I could not send in the radio with my money.
I would have had to wait until they got the money, issued the warranty
materials, and returned them to me. Then I could call them and get an
authorization for the one "free" upgrade that comes with the extended
warranty, and then I could send my '2020 in-paying-in effect-$140 for a
"free" software upgrade that turns out not to be fixing the chirp in the
first place. Get the picture?) Anyway, as I was saying, I was treated so
stupidly by SGC (did I mention that when I NICELY asked to speak to
somebody about why I should go through with that incredibly stupid
rigamarole [I didn't say it that way at the time], I was put on hold, and

after about 5 minutes of silence, was dropped from the line-where I come from they call that hanging up on someone.) ... back to: ...treated so stupidly, that I decided not to have anything to do with them, and of course, that includes the radio. Also, I heard from several OTHER OWNERS about the dismal failure of their upgrades. This particular pair of reports had the radios NOT repaired at all-still the chirp-and one of the two came back with problems it did not have in the first place. That's dismal at best, and it too influenced my decision to part with the radio.

As I said, I believe the '2020 to be a pretty good radio for the money-but the ONLY way you can get the attention of a company whose customer relations and customer service is so inept and apparently incompetent is to vote with your dollars. Mine (from the sale) are going to go towards a K-2. The guy who bought my '2020 got a fair price, and a pretty good radio-if you don't mind the occasional chirp report (mine was VERY slight.) Were the K-2 to chirp (HEAVEN FORBID!!!) I am ABSOLUTELY certain I will be able to get assistance from its mfgr! Without having to send them any money first, wait for some papers saying I can ship it to them as soon as I call them back for verbal permission. Gimme a break!

I truly believe a lot of the '2020 bashing is undeserved-yet I am equally certain SGC might build more than its share of "lemons" with a prevailing attitude as reflected by their technical and sales people. Mine certainly wasn't-again, except for that slight chirp. By the way, they actually told someone a slight chirp would help a low power station be heard in pileups. And they told someone else that chirps were not a significant problem as far as the FCC was concerned. While the former statement may very well be true, both are certainly, utterly, totally ignorant statements to make in response to a "my radio chirps, help!" complaint.

So yes, perhaps the '2020 is bashed somewhat undeservedly by non-owners... but the root of the problem is that SGC is bashed by real owners of '2020s-and SGC thoroughly deserves it. Mostly, the SG-2020 does not.

73

_____
Ed Tanton  N4XY  EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA  30068-3466  TEL: (770)579-3933 V/MBX/FAX
_____
INTERESTS:  QRP  BoatAnchors  Test Equipment  Photography
CW: 99.9% Mercury Pad.# 0214  Hensley Pad.#002 QRP>150W: 95%
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
"Think you can, think you can't: either way you're right!"  Henry Ford
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

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Date: Sat, 14 Nov 1998 22:51:18 -0800
From: "Radman" <radman@best.com>
To: <adams@ticnet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25113] Re: Elmer200 Crystal Checker
Message-ID: <199811150649.WAA28372@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Chuck et al,

The referenced "crystal checker" circuit has proven extremely useful in my own lab experiments and homebrew designs. I use this little "tester" all the time for testing rocks between ~ 1.5MHz up to ~16 MHz. You can scrounge the parts, or pick them all up at RS. They even have the little 6V "pea bulbs" at RS w/ wire leads - in various colors! Build it as ugly as you like ! You don't need a circuit board, perf board or a kit. Use a couple of short insulated leads with gator clips to attach to the unknown XTAL leads. Use a 9V batt for the power supply and you're good to go. You don't even need an ON/OFF switch --- the crystal completes the circuit. You can "sniff" the XTAL freq with any common receiver that tunes to the XTAL freq or hold your RS freq counter antenna near the unknown XTAL with the freq counter on "SLOW GATE." And, *bingo* -- you've got your XTAL freq nailed. You can even use the crystal tester as a low power reference signal (oscillator) on say 7040 MHz. I've used this circuit as a simple "marker" for a few 'sperimental receivers I've built with non-linear analog tuning dials. It's a good basic science project with many useful applications for a only a few bux in parts. Fits nicely in a Sucrets (TM) plastic cough drops box. Have fun :-)

GL to all,

72 - Conrad Weiss - NN6CW

**********

Someone sent me a URL for a crystal checker:

http://www.ybi.com/brink/qrp/crystaltester.html

--
Chuck Adams  K5FO  adams@ticnet.com   CP-60

http://www.ticnet.com/k5fo

---

Date: Sat, 14 Nov 1998 22:04:24 -0900
From: Jim Larsen AL7FS <larsennc@alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [25114] Alaska Propagation Woes, Rainbow and ICQ de AL7FS
Message-ID: <364E7CF8.EA58AC55@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

>From the Propagation Reflector:
 FORECAST 15/0600Z TO 15/1200Z NOV 98.

| | | QUADRANT | | | |
|---|---|---|---|---|---|
| | | I | II | III | IV |
| | | 0 TO 90W | 90W TO 180 | 180 TO 90E | 90E TO 0 |
| REGION | POLAR | U3 | U3 | U3 | U3 |
| | AURORAL | U2 | U2 | U3 | U3 |

I guess I now understand there is a good reason for no signals on any band today.  I took a run down to the near real time MUF map at http://solar.uleth.ca/solar/www/realtime.html and was surprised to see the auroral zone all the way down to Iowa and Nebraska. (Nebraska lost today BTW.)  It may do that every night but I haven't been watching the map much.  Propagation will be what it will be.

So why did I bring all this up...I don't know.  I was lonely, I guess. :-)

Maybe another weekend will be better.  I have been working on my Rainbow Tuner and after I get the torroid done, I will have to go shoping for parts.  I have been trying to decide the best way to get 40-30 and 20 meters out of the tuner without having to go to the external torroid. We shall see.

BTW, my QSOs today via email and ICQ have been all solid copy with no fading or QRM.  Who will be my next ICQ initial Q?

73,  Jim,  AL7FS -- Anchorage, Alaska
(BP51cc)@61.1009636 North 149.8237915 West(approximately)
mailto:al7fs@qsl.net   ICQ 11022915

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Date: Sun, 15 Nov 1998 05:23:56 -0800
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.edu>
Subject: [25115] FS/SWAP
Message-ID: <199811151215.FAA25192@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I would like to sell or swap the folling for QRP equiptment; Palamar RX noise bridge, William Orr's Radio Hand Book Nineteenth Edition, ARRL hand books for the folling years l946,1967,l975,l976,1978,1982, also the Radio Hand Book sixteenth edition edited by William Orr.  direct e mail to colcal@srv.net or 208 357 7431  73al KF7ET

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Date: Sun, 15 Nov 1998 09:12:43 -0500
From: "Bernard Gaffney, Jr." <bgaffney47@email.msn.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [25116] Sputnik 41 Keps
Message-ID: <000201be10a3$10356140$a3252299@bernardj>

Anyone know where I can get the keps for Sputnik 41/RS18? I've checked Amsat's WEB page, but nothing there. Same for ARRL.

  tnx es 72 de N8PVZ

    ---bernie

------------------------------

Date: Sun, 15 Nov 1998 09:37:22 -0500
From: "John J. McDonough" <jjmcd@tm.net>
To: <larsennc@alaska.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25117] Re: Alaska Propagation Woes, Rainbow and ICQ de AL7FS
Message-ID: <199811151440.9255900@is1.tm.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> From: Jim Larsen AL7FS <larsennc@alaska.net>
>
> I took a run down to the near real time MUF map at
> http://solar.uleth.ca/solar/www/realtime.html
> and was surprised to see the auroral zone all the way down to Iowa and
> Nebraska.

Perhaps someone can explain this. The daily auroral report from uleth talks about minor storming all day yesterday. I spent a lot of the day listening for hints of aurora on 6M, and heard nothing. Nor did any reports appear on the 50MHz propagation reflector. The Fairbanks radar aurora map showed nothing, which matches the 50 MHz propagation. But the report from Alberta, and the map as well, showed a lot of activity, and the lower bands sure sounded like there should have been some.

So why the discrepancy? I seem to have differing opinions of yesterday's auroral activity, and multiple pieces of evidence to back up each opinion!

72/73 de WB8RCR  http://users.tm.net/jjmcd/
didileydadidah  QRP-L #1446  Code Warriors #35

---

Date: Sun, 15 Nov 1998 07:29:08 -0800
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [25118] CT Interface
Message-ID: <364EF344.79BD86EF@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Here is a URL for a very simple to make CT interface. It uses an optoisolator so that the computer is electrically isolated from the rig. I think this is a great idea as you don't want to chance either effecteing the other. It can be made very small and fit right into a DB25 connector. I have used it with many rigs (QRP and QRO), and have built them for friends that have used it on many others. We had many working during the last field day.

The URL is: http://www.qsl.net/ae0q/contest/opto_key.htm

It is on Glenn AE0Q's page.  Have fun.

I may not be a REAL contestor, but it sure is fun with a computer.
--
73 de AC6KW            <mailto:grudin@vdbs.com>
Jeff Grudin, DVM       Web Add: http://www.vdbs.com/~grudin
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292       QRP-L  #16        ARS #351           AR Qrp #131

---

Date: Sun, 15 Nov 1998 09:33:45 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: bgaffney47@email.msn.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25119] Re: Sputnik 41 Keps
Message-ID: <364EF459.3F3678A2@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I haven't found any keps for Sputnik 41 yet either.  I've been using the
MIR keps and I find that Sputnik 41 is about 5 minutes ahead of it.

73,
Steve Yates
AA5TB
aa5tb@swbell.net
http://home.swbell.net/aa5tb/
Fort Worth, Texas

---

Date: Sun, 15 Nov 1998 08:57:41 -0700
From: "Ron Smith" <resmith666@uswest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25120] Re: Sputnik 41 Keps
Message-ID: <02b801be10b0$afd34660$97e46ccf@ron>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

To all who desire the information:

You can subscribe to w1aw-list by sending a message to:

w1aw-list-request@arrl.org

with the following in the SUBJECT field of the message:

subscribe email-address

where "email-address" is your email address. For example, if joeham@bacon.com wants to subscribe, he uses a message subject of:

subscribe joeham@bacon.com

A message will be returned to you saying that you have been added to the list.

Please note this is a ONE-WAY server. You cannot send messages to it other than "subscribe" and "unsubscribe" commands. You also cannot reply to messages sent through this server. Do not place any text in the BODY of the message.

---

You subscribe to all the ARRL Bulletins - which are NOT that many - and consist of:

ARRL Bulletins
DX News
Keplerian Data
Propagation Bulletins
Space Bulletins
Special Bulletins

There are other sites on the Internet where you can get just the Keplerian Data -- just do a search for the word Keplerian.

Hope this helps...

72

Ron Smith
KD7VD
Boise, Idaho

---

Date: Sun, 15 Nov 1998 10:17:41 -0600
From: "Peter Hardie" <hardie@shaw.wave.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25121] Re: Sputnik 41 Keps
Message-ID: <364EFEA5.26C70A8C@shaw.wave.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dr. TS Kelso now has a WWW site for two-line element sets (which used to
be available by FTP).

http://celestrak.com/

RS-18 isn't in the amateur list yet.

73 de Pete VE5VA

------------------------------

Date: Sun, 15 Nov 1998 10:21:55 -0600
From: "Peter Hardie" <hardie@shaw.wave.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25122] Re: Sputnik 41 Keps
Message-ID: <364EFFA3.27554912@shaw.wave.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I forgot to say that celestrak also has an FTP site.

ftp://ftp.celestrak.com/pub/elements/

73 de Pete VE5VA

------------------------------

Date: Sun, 15 Nov 1998 11:23:20 -0500
From: "John J. McDonough" <jjmcd@tm.net>
To: <resmith666@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [25123] Re: Sputnik 41 Keps
Message-ID: <199811151625.9274800@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

> From: Ron Smith <resmith666@uswest.net>
>
> There are other sites on the Internet where you can get just the
Keplerian
> Data -- just do a search for the word Keplerian.

The ARRL Keps are at http://www.arrl.org/w1aw/kep/1998-index.html. The Sputnik-41 data does not appear to be in yesterday's bulletin.

72/73 de WB8RCR http://users.tm.net/jjmcd/
didileydadidah QRP-L #1446 Code Warriors #35

---

Date: Sun, 15 Nov 1998 10:38:48 -0600
From: Rita Phillips <bahr521@earthlink.net>
To: n4xy@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25124] Re: SG-2020 Again bashed by non-owners!
Message-ID: <364F0398.11FA7BFA@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks for the explanation, Ed. I most certainly will not buy an SG-2000 based on what I have heard from you and many others. My order is in for a K2 and I have no doubts this will be a radio I enjoy owning. Personally, if I only had $600 and didn't want to build a rig, I would buy a used BIG THREE rig such as a Kenwood 450 or Yaesu 890 or 900. My $600 would buy me some service and I could crank the 100 watts power down to qrp. It would buy me no drift and no chirp with many many additional features. The only expense I would pay would be HIGH CURRENT DRAW. But again, as others have said in the past, "you can't have everything for $600!" With what I have heard about SG-2020s, a brick wall could not have hit me harder to tell me this is not a radio I would want to own. I stress "I". Others have the right to buy any radio they desire with their money. Thanks for saving me grief. (Now where is my K2 kit? I can't wait to get started!) Lee w0vt

Ed Tanton wrote:

> There is NO defending SGC Michael. The rig itself is pretty good for
> $600... but SGC has done the worst customer relations job I have ever seen
> in my 37 1/2 years as a ham.
>

> And yes I am an EX-owner. I sold my '2020, not because of ANYTHING to do
> specifically with the rig-except perhaps that its extremely slight chirp
> influenced my decision. Personally, I liked it a lot. I had decided to try
> and get SGCs software upgrade, but was treated so stupidly by SGC (IF I
> bought the extended warranty, I could not send in the radio with my money.
> I would have had to wait until they got the money, issued the warranty
> materials, and returned them to me. Then I could call them and get an
> authorization for the one "free" upgrade that comes with the extended
> warranty, and then I could send my '2020 in-paying-in effect-$140 for a
> "free" software upgrade that turns out not to be fixing the chirp in the
> first place. Get the picture?) Anyway, as I was saying, I was treated so
> stupidly by SGC (did I mention that when I NICELY asked to speak to
> somebody about why I should go through with that incredibly stupid
> rigamarole [I didn't say it that way at the time], I was put on hold, and
> after about 5 minutes of silence, was dropped from the line-where I come
> from they call that hanging up on someone.) ... back to: ...treated so
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> course, that includes the radio. Also, I heard from several OTHER OWNERS
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> had the radios NOT repaired at all-still the chirp-and one of the two came
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> get assistance from its mfgr! Without having to send them any money first,
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> back for verbal permission. Gimme a break!
>
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> attitude as reflected by their technical and sales people. Mine certainly
> wasn't-again, except for that slight chirp. By the way, they actually told
> someone a slight chirp would help a low power station be heard in pileups.
> And they told someone else that chirps were not a significant problem as
> far as the FCC was concerned. While the former statement may very well be
> true, both are certainly, utterly, totally ignorant statements to make in
> response to a "my radio chirps, help!" complaint.
>
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> but the root of the problem is that SGC is bashed by real owners of
> '2020s-and SGC thoroughly deserves it. Mostly, the SG-2020 does not.
>

> 73
> _____________________________________________________
> Ed Tanton   N4XY                                    EMAIL: n4xy@att.net
> 189 Pioneer Trail
> Marietta, GA  30068-3466              TEL: (770)579-3933 V/MBX/FAX
> _____________________________________________________
> INTERESTS:   QRP     BoatAnchors   Test Equipment     Photography
> CW: 99.9% Mercury Pad.# 0214  Hensley Pad.#002 QRP>150W: 95%
> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
> "Think you can, think you can't: either way you're right!"      Henry Ford
> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

---

Date: Sun, 15 Nov 1998 11:42:19 -0500
From: Richard <kt4or@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25125] Sierra Question
Message-ID: <364F046B.9D04ABA0@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Has anyone tried to modify an 80 meter band module to work on the Novice
Band? Is it possible? If so I'd like the info.

Thanks in advance.

72 es CUL   Richard KT4OR/QRP

QRP ARCI #9827  QRP-L #1750  FISTS # 2691  10-X # 68271
DXCC, WAC, WAS, 1000 Mile Per Watt Club

kt4or@qsl.net  http://www.qsl.net/kt4or/

DX IS! QRP is TOO!!

---

Date: Sun, 15 Nov 1998 08:50:05 -0800
From: Jay & Jackie <jayboy@psnw.com>
To: qrp-l@lehigh.EDU
Subject: [25126] HD crash..Need "Works" help
Message-ID: <3.0.1.32.19981115085005.007c0590@mail.psnw.com>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

Whew,

thought I had everything backed up on my Zip, but for some reason my MS Works will not run now (even after re-installing). Soo I would rather have those files in my MS Office anyway, but for some reason MSWord will not read those MS Works files....<italic>They are both MS Products!</italic>

Any help would be appreciated to convert these files to MS Word.

Please E-mail direct so as to not take up QRP discussions.

Thanks

Jay, W6JDB

---

Date: Sun, 15 Nov 1998 12:13:36 EST
From: Ab7wy@aol.com
To: qrp-l@lehigh.EDU
Subject: [25127] Re: Next NW QRP Meeting - Directions
Message-ID: <20d05afd.364f0bc0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 98-11-12 13:40:04 EST, you write:

<<
How to find Andy's Diner: Andy's is located at 2963 on 4th Ave in Seattle.
It is on the West side of the street, 2 blocks North of the West Seattle
Bridge, and
about 3 blocks South of the Kingdome.
>>
Hi Bill, im up in Lynnwood and plan on coming to the meeting. my question is what time is the meeting at? i dont want to miss it. ill post to the reflector in case someone missed the answer or just plain needs it.

73....Adam, N7YA

---

Date: Sun, 15 Nov 1998 13:17:25 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@lehigh.edu
Subject: [25128] FS: LDG QRP Tuner & accouterments
Message-ID: <19981115.131737.10158.0.nilsbull@juno.com>

Gang,

Another house-cleaning/shack-cleaning FOR SALE item: LDG QRP automatic antenna tuner
--- $80 shipped CONUS

This unit is completely built & tested on various antennas around here. Works great just like it otter.

INCLUDES: Sturdy home-brew aluminum case (from discarded A/B printer switch box)
box size (HWD) 2-3/8x7-1/8x7-3/8 inches
Six-position rotary switch for input/output selection
2 positions direct to resonant antennas or other loads
3 positions through tuner to 3 different configurations:
1 position to coax fed antenna
1 position to long wire antenna
1 position to balun (not the LDG balun, but the same deal [10 w limit])
1 position to 6 w 50-ohm dummy load
4 BNC connector input & coax output,
3 different 5-way binding posts for LW and balun output
Ground lug w/washers
Lots of extra room inside the box for extra stuff
Power on/off switch on back next to DC input w/ front panel "power on" LED indicator
Front panel selection of complete or semi-automatic function.
Front panel "tune" push button
Front panel 4-LED SWR/tune indicator display (standard feature)
ample front panel room for other functions
All documentation
Extra 14-pin control/status line header w/ extra ribbon cable

All internal wiring (except for DC & control lines) is teflon covered wire, including coax line on input.

It's yours for $80 shipped CONUS.

Gimme a call at (937) 849-0113 during the day (and leave a message) or email me direct.

Now all I have to do is sort all those little pieces of hardware that I spilled on the floor while I was filling out three-year old QSL cards & I'll be just that much closer to having room to see the other stuff that I wanna get rid of.

An operator is standing by.

73
Nils

---

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
http://www.geocities.com/Athens/Olympus/9172

_____
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or call Juno at (800) 654-JUNO [654-5866]

---

Date: Sun, 15 Nov 1998 12:57:16 EST
From: Bigbob97@aol.com
To: QRP-L@Lehigh.edu
Subject: [25129] MFJ259B
Message-ID: <112c40aa.364f15fc@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Anyone using external power for the MJF Antenna SWR analyzer may wish to check to see if their coaxial power plug is 5.5mm outside diameter instead of the 5.0mm plug. I was using the smaller plug and found that this did not always disconnect the internal battery when using external power. The bigger plug disconnects the internal battery each time. The problem was that my external power is only about 12volts but the internal alkaline batteries are 15 volts - so, sometimes I was running off batteries when I did not intend to do so. I

noticed that when I turned the unit on it referenced a higher voltage than I expected.  73,
Bob WB2DHK in Jersey City, NJ

---

Date: Sun, 15 Nov 1998 10:10:09 -0800
From: "Bill Todd" <bill@willapabay.org>
To: <Ab7wy@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <nwq-l@scn.org>
Subject: [25130] Re: Next NW QRP Meeting - Directions
Message-ID: <002201be10c3$2f688a40$1c4ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Hi Bill, im up in Lynnwood and plan on coming to the meeting. my question is
>what time is the meeting at?  i dont want to miss it. ill post to the
>reflector in case someone missed the answer or just plain needs it.
>
>                                    73....Adam, N7YA

Hi Adam (& NWQ-L & QRP-L)-

The Nov 21st NW QRP Club meeting starts at 11 AM - plus, there is plenty of free parking at Andy's Diner.

When you enter Andy's, be sure to enter in through the back door.  Andy's does not open to the public until almost noon.

CU There
Bill-N7MFB
http://www.willapabay.org/~bill
ICQ me @ 8926298

---

Date: Sun, 15 Nov 1998 14:17:06 EST
From: Zenith9zn@aol.com
To: qrp-l@Lehigh.EDU
Cc: Nystedt@sprintmail.com
Subject: [25131] N/T+ Email address change
Message-ID: <920fdf68.364f28b2@aol.com>

Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

For those of you who have been helpful to me, I am changing email address.  I am already on qrp-l on my new service.  My new address will be kb4utv@netgenie.com.  thx to all 73's  John  KB4UTV  Gilbert, Az

---

Date: Sun, 15 Nov 1998 11:39:43 -0800
From: talljazz@teleport.com (Dan Presley)
To: qrp-l@LeHigh.edu
Subject: [25132] Sierra 80M mod
Message-ID: <v01530502b274de23a67b@[204.202.166.222]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

here's a copy of Preston Douglas' post from a few years back on the mod to put the Sierra on the 80M novice band.
Dan N7CQR
From: PDouglas12@aol.com
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU> Subject: Mod to Sierra for 80m novice end

Hi gang,

The problem: Sierras only have 150 Hz range in their dial, so the 80m novice band is beyond the high end of the dial by about 50 Hz. How can the Sierra be used in the novice segment to check into the Knightlites net that meets at 3710 kHz without making a new 80m module, just for that segment?

The answer:

Thought I would report a simple mod to get the Sierra up to the novice end of 80m. For me it was necessity being the mother of invention as usual. The vfo can be lowered about 50 Hz by adding about 9 to 12 pf across the variable cap. I used one of those match head caps. It was quite stable, and by putting an alligator clip on each of the leads, it can be installed/uninstalled quickly and conveniently.

I used it to check into the Knightlites this evening, something I haven't been able to do with my Sierra. Of course, using the KC2 for freq readout with the temporary cap in place (it works fine that way) gave me a perfectly accurate way to find the net. Neat and cheap. I had been thinking I would have to make a separate module for the upper end of 80, so I was quite pleased with this simple, if somewhat inelegant solution. If you have

a Sierra, especially with a KC2 and have been frustrated because you can't get it to the novice band on 80m, try the cap trick. No reason why it shouldn't work with the KC1 either. The analog dial will, of course be useless while the cap is in place, however. NB, this only works because the vfo is used in a subtraction scheme on 80m in the Sierra, so the cap pulls the vfo lower, resulting in a higher operating frequency. Also, I would note that a this is fine for occasional use, but probably not something you would want to use in the mobile, for instance! Insulation of the clips and leads would be a good safety measure too.
Keep your clip-on cap with the other modules and you will always be able to work into the novice end of 80m.

---

Date: Sun, 15 Nov 1998 13:55:38 -0600
From: "J Joens" <jjoens@netins.net>
To: <qrp-l@Lehigh.EDU>
Subject: [25133] Unsubscribe instructions
Message-ID: <002701be10d1$ebbb9120$480a8ea7@jjoens.netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Could someone please send me the instructions to unsubscribe from this list. Just don't have the time to read it anymore.
Jerry, KI0IH
jjoens@netins.net

---

Date: Sun, 15 Nov 1998 15:43:47 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>, Laurel ARC <larc-l@webtrek.com>, eax@w3eax.umd.edu, forsale-swap@qth.net
Subject: [25134] FS: QRP, 2m, tuners, more - a week before it's all packed up
Message-ID: <Pine.LNX.3.95.981115154116.8561A-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My move to Oregon is less than 2 weeks away...have to get everything packed up.  Trying to lighten the load of stuff that will end up in storage...have a more relaxing weekend than I'm having, please!

S&S Engineering ARK20, 20m QRP CW rig. Internal speaker, 0-7 watts variable output w/factory modification, keyer, audio filter, pushbutton tuning, heavy gauge aluminum case. Checked over by manufacturer. With manual, tilt bail/carry handle, exc. $240

Oak Hills 100 40m xcvr, var. BW filter w/manual, mint $100

Oak Hills Classic 20/40m xcvr, keyer, manual, a few scuffs $175

Ten-Tec 1340 40m QRP xcvr, built, manual, mint $95

Heath SB-1400 gen. cov. HF xcvr, FM unit, manual, CW filter, matching 20A power supply/speaker, exc. $650

RS HTX-212 2m mobile w/box, mic, bracket, manual, mint $175

RS HTX-242 2m mobile w/box, mic, bracket, manual, mint $200

Yaesu FT-470 dual band 144/440 HT, 1200 mAh 7.2v battery, battery, antenna, wall charger, manual, exc. $230

RS Pro-51 handheld scan, no cell, box & manual, mint $150

RS Pro-2039 mobile scan, no cell, box & manual, mint $150

Nye Viking MBV-A 3 kW antenna tuner w/switches, meters, open wire, two coaxes, a few scratches, manual, $850 new $520

Heathkit SA-2040 roller-inductor tuner, manual, no meter, vg $120

MFJ-264 1.5 kW HF-UHF dry dummy load, exc. $48

Nye Viking Low Pass filter, HF with UHF connectors. Cylindrical in shape, exc. cond. $24

Heathkit HD-15 hybrid phone patch with manual $40

Eico 667 tube & transistor checker $90

Heath TC-2 tube checker $25

Ramsey COM-3 service monitor w/0.5 ppm time base, pager decode, cover and carrying handle. Signal generator, 0-1000 MHz with deviation and center freq. meter, 1 kHz injectable tone, more. With manual, exc. cond., about $4000 new $2400

KD1JV SA/SA spectrum analyzer scope adaptor, built by WJ2V in tan/black case w/power supply, exc. cond. w/manual I have a scope but haven't had any time to use this $150

Mitsubishi DA-F158 electronic digital stereo tuner, v. good

$15

Offers considered.  Ridiculous offers may be answered with laughter:)

Scott Rosenfeld  ARS NF3I
301-549-1022 (h)  301-982-1015 (w)
Burtonsville, MD
ham@w3eax.umd.edu  http://w3eax.umd.edu/~ham

---

Date: Sun, 15 Nov 1998 15:17:28 -0500
From: Bill Robbins <billrobb@net-link.net>
To: QRP-L@LEHIGH.EDU
Subject: [25135] HW-9 Value
Message-ID: <3.0.6.32.19981115151728.0079e850@serv01.net-link.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Group:

I attended a hamfest this past weekend and took an Heathkit HW-9 with the optional WARC bandpack.  It is about a 8.5 on the 10 scale and works very well.

I received several comments from prospective buyers about value and I was wondering if I could please solicite the help of this group to determine the value.

I will hold off on telling you my asking price.  And, I do realize that hamfest  buyers will bad-mouth to drive down the price.  I also realize that I could have been wrong....blah, blah blah!!

What do you think??!!

Thanks de Bill

Heathkit Collector
WA8CDU Formally WN8CDU

---

Date: Sun, 15 Nov 98 15:37:23 -0500
From: jiboulj <jiboulj@globetrotter.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [25136] QRP on 160M. Is-it crazy?

Message-ID: <199811152036.PAA25254@vesuve.globetrotter.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Our meeting just finished. We had lot of discussion about antennas. It seem that our local broadcast station is going to be QRT soon. This broadcast station has been part of our local history for decades. Then some ham begin to talk about those 3 tall antennas the broadcast station was using. Some friends of mine are trying to convince me that QRP could use them on 160M. The brodcast station was on 1 460 Kc.
I think it is a crazy idea since, QRP is 5 watts only, sometime lower. The 160M band would not go very far. Very few poeple in the province of Quebec are using that band.
Now they are talking of some king of DXpedition(!!!), making special QSL, printing T-shirts, making a video and all that kind of stuff.
Are they nuts or I am close minded?
Just send me what do you think.
Dont send it to the QRP-L community. I am not sure it is of public interest and the are lots of messages.

Jean J (VE2GHI) QRP-L #456

---

Date: Sun, 15 Nov 1998 15:44:39 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: Bill Robbins <billrobb@net-link.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25137] Re: HW-9 Value
Message-ID:
<Pine.LNX.4.03.9811151535400.1685-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I doesn't matter what the list thinks....if you didn't sell it the price was too high. I have seen them as low as $150 at hamfests. I personally bought one for $80 without the Warc bands and no output on some bands. I have seen many in the $200-$300 range. Some were higher than that. There is no way of knowing which ones sold; but I guess the lower priced ones sell fastest. It is hard to sell a qrp rig in the $500 range when you can get an Icom 735 or similar rig at that price.

73,

Jim (N2GO)

---

Date: Sun, 15 Nov 1998 15:57:35 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: qrp-l@Lehigh.EDU
Subject: [25138] trade 49-er for surplus cap
Message-ID:
<Pine.LNX.4.03.9811151554430.1744-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am looking for variable cap from a surplus BC-454 receiver.
trade or whatever. I also need the crank style knob for it.

73,

Jim N2GO

---

Date: Sun, 15 Nov 1998 15:53:00 -0500
From: dfirlik@juno.com
To: QRP-L@LEHIGH.EDU
Subject: [25139] Re: Loops
Message-ID: <19981115.162155.4678.0.dfirlik@juno.com>

On Sat, 14 Nov 1998 21:47:36 -0700 tom whalen <whalen@swcp.com> writes:
>QRPer's!
>
>The only bad thing with my plan is the motor that I will use to drive
>the var. cap....It's an AC 120v reversable motor...so have to watch
>where I put my pinkie's!!
>

This summer I purchased two early model cordless screwdrivers at flea markets for a buck for a 2.5 volt model and 2 bucks for a 3.7 volt unit. Both were inoperative when purchased due to shorted nicad cells. The motors and planetary reduction units would be ideal for driving the tuning capacitor of a loop antenna. Check out your local flea markets and auction houses.

Don K8AQZ
Grand Rapids MI

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or call Juno at (800) 654-JUNO [654-5866]

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Date: Sun, 15 Nov 1998 13:24:21 -0800
From: "Ivan Dubinsky" <ivand@mountain-inter.net>
To: <jiboulj@globetrotter.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25140] Re: QRP on 160M. Is-it crazy?
Message-ID: <001201be10de$6554e840$865ff4cc@ast>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Jean,

In the summer of 1990, I worked at a fire lookout tower in the Northwest Territories. There was a ham at another tower in Alberta 170 miles away that I used to have a schedule with on 80 meters. That summer, conditions were very poor much of the time so we decided to try 160 meters. After trying several kinds of antennas, I eventually went to a quarter wave sloper suspended from the tower (120 feet high) and oriented in his direction. He was shunt feeding his tower of 100 feet. This gave us both vertical polarization and as a result excellent ground wave coverage. We were able to maintain solid copy in the middle of the day using power levels of less than one watt. Mind you, we both had no man made noise to speak of so the band was exceptionally quiet. My point is, however, that qrp operation is a definite possibility on 160 and good groundwave coverage is attainable with vertically polarized antennas. Give it a try. You may be pleasantly surprised. Au revoir.

Ivan Dubinsky
VE8ID/VE7

-----Original Message-----
From: jiboulj <jiboulj@globetrotter.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Sunday, November 15, 1998 12:39 PM
Subject: QRP on 160M. Is-it crazy?

>Our meeting just finished. We had lot of discussion about antennas.
It

>seem that our local broadcast station is going to be QRT soon. This
>broadcast station has been part of our local history for decades.
Then
>some ham begin to talk about those 3 tall antennas the broadcast
station
>was using. Some friends of mine are trying to convince me that QRP
could
>use them on 160M. The brodcast station was on 1 460 Kc.
>I think it is a crazy idea since, QRP is 5 watts only, sometime
lower.
>The 160M band would not go very far. Very few poeple in the province
of
>Quebec are using that band.
>Now they are talking of some king of DXpedition(!!!), making special
QSL,
>printing T-shirts, making a video and all that kind of stuff.
>Are they nuts or I am close minded?
>Just send me what do you think.
>Dont send it to the QRP-L community. I am not sure it is of public
>interest and the are lots of messages.
>
>Jean J (VE2GHI) QRP-L #456

---

Date: Sun, 15 Nov 1998 12:35:11 -0900
From: Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>
To: qrp-l@lehigh.edu
Subject: [25141] Carolina QRP Fest Beacon Heard in Alaska
Message-ID: <3.0.6.32.19981115123511.007a5b50@eagle.ptialaska.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

Only 5 below zero today so not near cold enough to put up antennas and expect good results... Took a short walk with my sled dog to find our favorite tree and decided to switch the tribander on line ( real men in Alaska have their antenna switches located outside in the snow under the oil tank )... Went upstairs to the temporary shack and took a quick tune of 20 meters, not one single signal... As I expected, the bands are all dead... Just to say I gave it the old college try, I moved up to 10 meters and low and behold there were some CW signals... There was a strong signal in QSO near 28.017 and no sign of the beacon... When the QSO ended on .017 I started cruising up and down, I was about to give up when I heard a very weak signal down in the noise at 28.017.48 @ about 2005 Z... For the next half hour the signal came and went and finally I had the full exchange...

Good job guys... Hope that you all had fun at the Carolina QRP Fest... Wish I could have been there, but by hearing your beacon, I was there in spirit...

Take care and have fun...

72 - Bruce - KL7JAF

kl7jaf@ptialaska.net

Alaska QRP Club Web Site:  http://www.ptialaska.net/~bhopkins/akqrp

---

Date: Sun, 15 Nov 1998 16:15:47 -0500
From: n2tpa@juno.com (Bill d Lazure)
To: mpupeza@csolve.net
Cc: QRP-L@Lehigh.EDU
Subject: [25142] Re: SG-2020 Again bashed by non-owners!
Message-ID: <19981115.163226.7558.0.N2TPA@juno.com>

Michael,

I haven't owned many rigs, so have a hard time when someone says "it's about the same as the ICOM/YAESU/TEN-TEC/etc".  I have however, owned an HW-9.  I found it to have very low noise receive and easy operation.
How DOES the SGC-2020 compare to the HW-9?

Bill Lazure
W2EB

P.S.  I currently run a QRP+ unmodified if that would be easier to use for comparison.

Michael Pupeza writes:

>I have previously given my candid reports on the 2020, and I stand by
>them!
>This is NOT an Icom 781, nor is it a HW-9 Heathkit! It is a serious,
>but
>low cost radio, capable of what they said it would do.

_____
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or call Juno at (800) 654-JUNO [654-5866]

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Date: Sun, 15 Nov 1998 16:47:56 EST
From: we6w@juno.com (Ed Loranger)
To: DLShips@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [25143] Re: FREE "RAINBOW TUNER" - Copy our Beacon Sunday, 11/15
Message-ID: <19981115.134428.4951.2.we6w@juno.com>

Hey Gang, since the beacon should be off the air now,
I'll report!

Got him!  Already qsl'd per the instructions.  Man
this baby was in the mud.  I finally got it to where
with ESP you could hear the atmospheric static breathing
at you.  And there were some DX stations blasting away
right on the freq. and very near.

Finally the propogation came up and I copied the beacon
over 3 times to be sure I had it exactly.  Took a
5 minute break and came back to a 119 breathing of the
QRN again....  Came up to 219 for a second be then
was gone forever.

I compared the sig. in both regular speaker and Resonant
Speaker mode.  Could barely hear something under the
QRM/QRN with the rig speaker, but 339 on the Res. Spkr.

With these QRPp operations you have to stick with it!

Glad I did.

-Ed WE6W

P.S. Anyone ever try to put a speaker inside a light bulb!
What?  What resonant speaker idea?  <grin>
72, Ed WE6W QRP-Z#106  http://www.qsl.net/we6w
Enjoying Ham Radio every day!  Santa Rosa, CA.

_____
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or call Juno at (800) 654-JUNO [654-5866]

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Date: Sat, 14 Nov 1998 20:22:44 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [25144] Wire / Rope  sstv qrp++
Message-ID: <19981115.165049.-199469.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

High gang
     as requested... an update on the noise problem with the computer and the qrp++

Well... I went to radio shack and bought an ac line filter for the computer... that knocked out most of the noise... going to the qrp++ .... I am also using 1/1 audio xformers to isolate the rig from the computeer
     Did not have time to check things out much. I guess I will do that tomorrow... The radio shack line filter did a great job in reducing the noise... on receive... I am receiving pictures a lot better now...
     Hopefully tomorrow I will put up an 8jk  wire/rope ant for twenty and improve the sig to noise ratio even more on receive... using a dipole rite now... twenty is real bad here...
     Also played with a rtty program... I can receive rtty... so far I have not tried to xmit... more than a few times... :-)  ... don't see much mic noise in this mode... I guess tomorrow I will try and make a contact... qrp rtty style...
     Sure is neat being able to use so many modes... even have my two meter hand held on the desk... guess I'll have to get a packet program... hee hee ...oh my ... so many things to do...
     With the computer on the radio desk I had to tidy up the situation and put thinngs in order... now I have a place for the mic and tuner ... with the radio and cw keys in a most ideal spot... I also put in a mic switch to choose either the mic/ headset or the computer for the qrp++... I am most impressed with me work... my cajun mama is proud of her son tonite...
     joel, wa5cvm, in maine, eaten' shrimp gumbo tonite and thinking southern... :-)

_____
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or call Juno at (800) 654-JUNO [654-5866]

---

Date: Sun, 15 Nov 1998 16:00:06 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>

Subject: [25145] low power beacon
Message-ID: <Pine.LNX.3.95.981115155341.19650A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....someone announced a low power beacon on or about 28.017....I'd like to
know who it was as I'm getting partial copy of a beacon on
28.017.02....between qrm, qsb, band noise it's very very difficult but i
am getting some copy.....????

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1  QRP-L#886  ARCI#9683
"QRP! How sweet it is!"

---

Date: Sun, 15 Nov 1998 17:06:41 -0500
From: wb2vuo@juno.com (W. K. Hibbert)
To: qrp-l@lehigh.edu, n2tuk@frontiernet.net, dakline@frontiernet.net,
bobkowa@netacc.net, billy@frontiernet.net, djw@dos.nortel.com, wb8ygg@juno.com,
     rindiano@rpa.net, duanekf2jc@aol.com, kf2xc@frontiernet.net,
n2uio@frontiernet.net, k2db@contesting.com, cwells@juno.com,
k2dv@rochester.rr.com,
Subject: [25146] Electronic Log Filings at the ARRL
Message-ID: <19981115.170642.11006.0.wb2vuo@juno.com>

I sent in my Sweepstakes log, (CW), and got a reply from the ARRL's
automatic Contest Server.  I am passing this on for your information...

72/73, Keith, WB2VUO, 100% QRP from the Great Bergen Swamp of WNY
My night light runs more power than my Rig!!!

---
>From: contest-owner@arrl.org
>To: wb2vuo@juno.com (W. K. Hibbert)
>Date: Sat, 14 Nov 1998 19:15:49 -0800 (PST)
>
>We have received your E-mailed Contest Log. If you can read this
>message, it is not necessary to send again.
>
>If you have any correspondence other than logs to the ARRL Contest
>Branch, it should be sent to n1nd@arrl.org. Only contest logs should
>go to this address.
>
>All contest logs should be in the ARRL format as specified in the
>following URL:

>
>    http://www.arrl.org/contests/announcements/98/rules-all.html
>
>For future log submissions, please submit logs with the following
>information in the subject line:
>
>Call, Contest, Mode, and Class. For example,
>
>W1INF ARRL DX CW SOLP
>
>For US/VE contesters, did you list your ARRL section on your summary
>sheet?  It's needed for all contests.  73.
>

_____
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Date: Sun, 15 Nov 1998 17:14:37 EST
From: we6w@juno.com (Ed Loranger)
To: n2tpa@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [25147] Re: SG-2020.
Message-ID: <19981115.141109.4951.3.we6w@juno.com>

Excellent point Bill.  Yes, Absolute performance should be
reported.

The last line Michael sent kind of sums it up.
>Michael Pupeza writes:
>>>I have previously given my candid reports on the 2020, and I stand by
>them!
>>This is NOT an Icom 781, nor is it a HW-9 Heathkit! It is a serious,
>>but low cost radio, capable of what they said it would do.

And My car is not a BMW, or a Pontiac or a.....  These type
of statements are a waste of Bandwidth.

And my cat is capable of what he can do.

I have ZERO problems with SGC.  I've investigated them to my level
of satisfaction.

Michael ET AL, If you folks want to review the SG-2020, let
Chuck's/K5FO's report on the OHR-500 be a template.

72/Ed/WE6W
---
On Sun, 15 Nov 1998 16:15:47 -0500 n2tpa@juno.com (Bill d Lazure) writes:
>Michael,
<snip>
>P.S.  I currently run a QRP+ unmodified if that would be easier to use
>for comparison.
>

--
72, Ed WE6W QRP-Z#106  http://www.qsl.net/we6w
Enjoying Ham Radio every day!  Santa Rosa, CA.

_____
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or call Juno at (800) 654-JUNO [654-5866]

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Date: Sun, 15 Nov 1998 17:26:01 -0500
From: mike czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@lehigh.edu>
Cc: Mike Czuhajewski <wa8mcq@erols.com>, leinwebe@mcmail.cis.McMaster.CA
Subject: [25148] AC voltmeters, RMS and "true RMS"
Message-ID: <364F54F9.6171@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I apologize for letting this one slip through the cracks--I should have posted this in late August!  Back then there was some talk about receive noise floors and my use of an HP403B. It's an AC voltmeter, with a frequency response to 2 MHz or so. But while the scale is calibrated in RMS volts (as well as dB), it is not a "true RMS" voltmeter.  Glen Leinweber and I swapped a couple of mails on the subject of waveform responses; he said I could repost his private mail to the list, and then wrote up a little article on the subject at my request. Unfortunately I never sent any of it to qrp-l.  I had it almost finished off and then I managed to forget about it until now.  Here it is:
---

 After I made my earlier post on receiver noise floors and using an HP 403B AC voltmeter, I got this mail from  Glen Leinweber, VE3DNL <leinwebe@mcmail.cis.McMaster.CA, which he said I could forward to qrp-l:

VE3DNL mail:

In <35E0F77C.12DA@erols.com>, mike czuhajewski wrote:

>So the question here is:  Is there another way to do this using a sound
>card that already exists?  A lot of people on the list may have already
>seen an alternative solution. My thinking here is that with systems with >200 MHz
processors the FFT and spectral analysis is much easier to
do >now than back in the 4MHz days.

Mike,  One of the potential problems with your analog meter system is that they always "fake " RMS measurement. But you knew that. And bet you also knew that the fudge factor is usually 1.11. In other words, a square wave would read 1.11 times higher in amplitude than it should. And noise (with a average-to-peak ratio lower than a sine wave) would read lower than its true RMS value on your meter.

So your MDS measurement with a non-RMS reading meter has a slight error: When reading pure white noise, it reads low. When you add a little signal, you're adding a sine wave which reads higher on your meter than the noise alone.

What you really need is a true RMS meter that can cope with crest factors typical of white noise of 500Hz bandwidth.  Should be easy to massage all the digital samples of a soundcard to give true RMS output. To get it accurate, the time-constant might have to be fairly long, but not long enough to make you wait much for a MDS measurement. The computer-controlled attenuator would be the hard part ;-) 8Khz 16-bit mono sample-rate should be plenty.

Have an instrument here that can read the thermal noise of a 1K resistor. Hook up the resistor to its input, and about 15 seconds later, you get a digital display of so many nv/rt(Hz).  Measurements can be done up to about 100KHz. Contains a lotta DSP. It actually measures RMS noise in a one-Hz bandwidth.

(end of Glen's mail)

WA8MCQ: I thanked him for the comments, told him that I was aware, in principle, of the waveform factor in doing RMS measurements but couldn't speak with any authority on the subject :-)  I asked him to pass his comments to QRP-L and write a little more if he could.  He told me that he'd sent the mail to me alone and didn't keep a copy but could pass it along. He then included the following additional info on meters and RMS--

VE3DNL speaking again--

Here's a quickie (but a little long) on RMS measurement with meters old and new:

Measuring AC waveforms amplitude.

Many newer meters claim "true RMS" measurements on their AC scales. What's this mean; if I don't have it, how could my meter mis-read AC voltage?

Some History... Just how do we measure the amplitude of an arbitrary waveshape AC signal? One way is peak or peak-to-peak amplitude. That's the most extreme swing of the AC signal. This is important if you're interested in remaining within a breakdown voltage spec of a transistor, for instance. Even a momentary excursion above the breakdown voltage can spell disaster for transistors, FETs or diodes, or trigger a varistor into conduction.

But the more common way (and more versatile) of measuring amplitude is RMS which means root-mean-square. Why so complex? It gives a number that directly relates to the AC POWER. For example, if you apply 120v RMS to a light bulb, it'll glow with the same brilliance as 120v DC. And a 5W rig will dump just as much heat into your dummy load as 5W of DC power if those 5W of RF are RMS watts.

So RMS watts of an AC signal are exactly equivalent to DC watts. And one volt RMS or one amp RMS current will dump the same power into a resistor as one volt DC or one amp DC respectively. But RMS amplitude is horrible to determine. So nasty, that in the past, simple AC meters didn't even try. They "faked" RMS measurements. They used a simple diode detector to chop off the bottom half of the applied waveform, allowing current to flow thru the meter in only one direction. The meter's needle damped the current pulses, giving an average reading. Now all the meter has to do is arrange the scale on the front to look like "RMS".

Now for a sine wave where you've chopped off the bottom half, the average value is 2/PI times the peak value. That's 0.6366 times Vp. But for RMS, we want a number that's Vp divided by the square root of 2 (1.414), which is 0.7071 times Vp. What the diode gives is 11.1% different than the RMS value that we want. So the meter simply changes the scale, or fudges the internal scaling resistors to compensate for the 11.1% difference. All is well.....for sine waves.

My Fluke 85 spec sheet says the following: "AC conversions are ac-coupled, average responding, and calibrated to the rms value of a sine wave input". This means that the meter blocks DC from getting in, so that you can measure ripple voltages on a DC power supply easily. The average-responding bit says that it fakes RMS using the method described

above with the diode. And the last bit says that the meter assumes you're always measuring amplitude of sinusoidal waveforms.

Now you apply a square wave. My meter reads high - how come? Your meter assumes you're always measuring SINE WAVES. And the 11.1% correction factor applies ONLY for sine waves. The RMS-to-peak relationship for square waves is 1:1. So your meter reads about 11.1% too high. For triangle waves, it reads too low. And what about noise? There is no way to measure the peak value of noise - its a fairly meaningless metric. But the RMS value of noise has value, since even noise could heat a resistor. Your average-responding meter reads quite low in this case.

One way to make a true RMS meter is to simply dump the AC waveform into a resistor, and measure its temperature rise. There are some very expensive meters that measure AC amplitudes over a very wide bandwidth this way. Another way is to drive an incandescent lamp with the AC waveform, and match its brilliance with a similar lamp driven from a DC source. The DC voltage is equal to the RMS voltage of the AC waveform.

But another way, is to go through the math of squaring the waveform, taking its average value, and then finding the square-root of that average. Some meters do it with analog multipliers, a low-pass filter and a square-root circuit. These circuits work well for audio, but can't handle high frequencies. Chances are good that if you have a "true-RMS" meter, these circuits are inside. Above 100KHz, these analog circuits fail to respond accurately, so you can't use the meter to measure your QRP transmitter's output.

(end of VE3DNL mail)

My thanks to Glen for the additional info. (Those who subscribe to the QRP Quarterly will see his comments again in my Idea Exchange column in the January issue.)

-- 73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com@

---

Date: Sun, 15 Nov 1998 22:59:39 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25149] Re: SG-2020 HF Transceiver
Message-ID: <364f5ba7.2183804@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Based on what I have seen on this reflector:

In general, dedicated CW ops hate it, while dedicated SSB ops like it.  =
Casual
CW users probably wouldn't notice the deficiencies, as they relate mostly=
 to
performance around the fringes and extremes.  OTOH, these deficiencies =
will be
glaring from die-hard CW QRP ops trying to dig a 339 signal out of the =
noise,
or trying to be heard within a pileup.

=46rom a CW ops point of view, there are other alternatives, most spec =
out
better, and most are cheaper.  From an SSB ops point of view, the =
convenience
factor of small size/low output and good audio makes it a desirable rig.

Hope this helps ...

--
72 es 73 de Marty, KM7W
_____=
_____
Memphis, Tennessee                                =
http://home.earthlink.net/~mwattcpa
 ARRL VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- =
Grid EM55ce
CODE WARRIOR ? #29 - Mobile CW Operator - "Taking Code on the Road with a=
 Vengeance"

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Date: Sun, 15 Nov 1998 15:58:31 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25150] SCG2020
Message-ID: <364F5C97.3CE0@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP-Ler's:

Worked my first SCG2020 on 28.060 and sounded very good, no sign of
chirp as seen reported. Just my .02 observation....

72, Tom WB5QYT

---

Date: Sun, 15 Nov 1998 17:01:47 -0600
From: Lee Bahr <bahr521@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [25151] The AMBROSIA/Viagra RIG:  "THE Elecraft K2"
Message-ID: <364F5D5B.AC3D0C6E@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wow.  It's been a lazy wet day around here and I decided to again look at Elecraft's web page at     http://www.elecraft.com/         This K2 qrp rig is going to be a dream!  The specs, features, layout, looks, builder friendleness, and developers are all having a super positive effect on me.  I'm thinking of pasting color prints on a box with weights in it to let me get closer to this radio.  I'm sure, by now, the lucky Beta builders are busy building their rigs up.  I have the feeling, out of all the rigs I own, this one is going to be my favorite!  By the way, I have absolutely no connection with Elecraft. This rig is making me compulsive as I was as a kid ham at the age of 12.  I'm now 60!  Who needs Viagra when you you have a K2.    Lee Bahr w0vt

---

Date: Sun, 15 Nov 1998 16:02:17 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25152] 28.060
Message-ID: <364F5D79.503F@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPer's!

Have been on 28.060 most of the day trying to work qrp stations. Only worked one, so where is everybody today? The band is open and hotter than heck! Going to stay on till 2330 utc...

72, Tom WB5QYT

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Date: Mon, 16 Nov 1998 12:04:27 +1300
From: "Grindrod, Ross [Pulp & Paper]" <GRINDRR@chh.co.nz>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [25153] Coil winding help
Message-ID: <2A94A43A306ED2119A7C08002BE55A37072EF7@KN_NTS4>
MIME-Version: 1.0
Content-Type: text/plain

Hi, can some one please give an explanation on what is the formula for
calculating the number of turns when coupling a coil from the primary to
secondary ,I.E. antenna to front end,or in mixer section(I can work out
the main coiled with a GDO /analyzer but the secondary or small number
of turns for coupling has me beet can you help

Chrs Ross ZL3DC

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Date: Sun, 15 Nov 1998 18:00:56 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: Marv Fagenson <k6hcj@juno.com>
Cc: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [25154] Re: Antenna Idea
Message-ID: <364F5D28.BCC92148@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yeah..I picked up a few similar cord winders at a local dollar store.
That's what got me into making up the field dipoles in the first place.

Marv Fagenson wrote:
>
> Also:  the Home Depots, Wal-Mart, etc also sell coat hanger looking
> devices for 3 wire power cords.  I bought a few to "wind" my  portable
> wire antennas on.  No tangles, no mess either.  Urs is a good idea, too!
> Marv Fagenson
> k6hcj@Juno.com
>
> _____________________________________________________________________

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> Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
> or call Juno at (800) 654-JUNO [654-5866]

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++

  T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

     Website   http://members.home.net/tjarey

     Snail Mail: PO Box 236, Beverly, NJ 08010

   Specialization is for insects!   LAZARUS LONG

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Date: Sun, 15 Nov 1998 15:12:35 PST
From: "dave mantor" <nah5nni@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [25155] Unsubscribe
Message-ID: <19981115231235.13573.qmail@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain

Please cancel my Internet membership.  My call is w9ocm.  TNX.

_____________________________________________________
Get Your Private, Free Email at http://www.hotmail.com

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Date: Sun, 15 Nov 1998 16:19:58 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25156] HR-2600 QRO to QRP?
Message-ID: <364F619E.731D@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPer's!

Anyone out there have the mod to reduce the output of the above to a
true qrp level?

Tnx and 72, Tom WB5QYT

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Date: Sun, 15 Nov 1998 16:15:20 -0700
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@lehigh.edu>
Subject: [25157] Test Instruments
Message-ID: <01BE10B6.FEFAE3A0.bmug@gwl.com>

I am looking at the 1999 MFJ catalog I just downloaded and was wondering about the difference between a Grid Dip Meter, an Antenna Bridge and a Noise Bridge. I've read about these in my ham books but I don't know how the are different or what they should each be used for.

I like to play with antennas and thought I would pick something like this up at a swap fest (or if someone has one for sale CHEEP).

Thanks

de KB0ROL, Brad

------------------------------

Date: Sun, 15 Nov 1998 16:44:48 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25158] WA1SCH, W8SFF
Message-ID: <364F6770.1EF@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob and Steve,

Nice to work you Bob you were sure 599 hr...good sig. Just put up a new antenna today and seems to work good on 10...

Steve, sorry to hear you have a "birdy" on the qrp freq..That's not a good spot for it!! Got that you at least heard me...tnx and maybe next time we can make it...

72, Tom...WB5QYT

PS: Will be on 28.060 most mornings till about noon looking for qso's!

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Date: Sun, 15 Nov 1998 17:05:02 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@lehigh.edu
Subject: [25159] FS items have been spoken for: Argosy & LDG tuner are sold
Message-ID: <19981115.170506.15334.3.nilsbull@juno.com>

Gang,

The subject  line says it all
The Argosy is sold
The LDG tuner is sold.
Thanks.

73
Nils
 . . . if you get this message twice, it's cause I got a pro forma email
from the "listproc" whatsiz about the subject line appearing to be a
command function. Hell if I understand this. I'm just a lunatic. So
here's the notice again . . . which I hope don't get bounced!
---
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Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes: The Grinnin' Turkey Ranch
WB8IJN &c  ::  The Tagalong Press  ::  email to nilsbull@juno.com
http://www.geocities.com/Athens/Olympus/9172

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End of QRP-L Digest 1277
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